DXD Series High-performance rack and pinion drives



DXD 300/1000-K-BSY+ OT



HS









Performance features

- + Can be used for openings for smoke exhaust; D+H Euro SHEV in accordance with EN 12101-2; and for daily ventilation
- + With BSY+ motor and synchronised electronics controlled via microprocessor
- Direct control via 230 V AC
- + High-speed function (HS) for especially fast opening windows in case of fire (SHEV)
- + Option of up to 4 drives in one synchronous group

- Groove in the drive tube for flexible installation and configuration of the swivel range
- Option of cable infeed above and below
- Programmable drive functions and different drive parameters
- + Running speed in CLOSED direction decreases to 5 mm/ s (passive closing edge protection)
- Time-controlled reversing when an obstacle is detected in the CLOSED direction (active closing edge protection)

Approvals / Certificates

Find out about permission details from your D+H Partner.



Technical data

DXD 300/1000-K-BSY+ OT HS

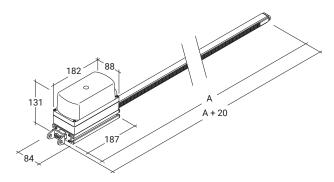
Performance 140 W / 175 VA Duty cycle 30 % (ON: 3 min. / OFF: 7 min.) Force of pressure 3000 N Tensile force 2000 N Nominal locking force ** 2800 N Service life 20000 double strokes * Stroke 1000 mm OPEN running speed 7.1 mm/s CLOSED running speed 7.1 mm/s Type of protection IP 64 Emission sound pressure level LpA ≤ 70 dB(A) Temperature range -15 °C (-5 °C ***) +75 °C Fire resistance B300 (30 min / 300 °C) Housing Aluminium / Polycarbonate Surface Powder-coated Colour White aluminium (~ RAL 9006) Connection 2.5 m silicone cable Dimension A 1,206 mm Art. No. 20.027.30	Supply	230 V AC / +10 %15 % / 50 Hz
Force of pressure 3000 N Tensile force 2000 N Nominal locking force ** 2800 N Service life 20000 double strokes * Stroke 1000 mm OPEN running speed 7.1 mm/s OPEN running speed - HS 17 mm/s CLOSED running speed 7.1 mm/s Type of protection IP 64 Emission sound pressure level LpA ≤ 70 dB(A) Temperature range -15 °C (-5 °C ***) +75 °C Fire resistance B300 (30 min / 300 °C) Housing Aluminium / Polycarbonate Surface Powder-coated Colour White aluminium (~ RAL 9006) Connection 2.5 m silicone cable Dimension A 1,206 mm Weight 6.7 kg	Performance	140 W / 175 VA
Tensile force Nominal locking force ** 2800 N Service life 20000 double strokes * Stroke 1000 mm OPEN running speed 7.1 mm/s CLOSED running speed 7.1 mm/s CLOSED running speed Type of protection IP 64 Emission sound pressure level LpA ≤ 70 dB(A) Temperature range -15 °C (-5 °C ***) +75 °C Fire resistance B300 (30 min / 300 °C) Housing Aluminium / Polycarbonate Surface Powder-coated Colour White aluminium (~ RAL 9006) Connection 2.5 m silicone cable Dimension A 1,206 mm Weight	Duty cycle	30 % (ON: 3 min. / OFF: 7 min.)
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OPEN running speed 7.1 mm/s CLOSED running speed 7.1 mm/s Type of protection IP 64 Emission sound pressure level LpA ≤ 70 dB(A) Temperature range -15 °C (-5 °C ****) +75 °C Fire resistance B300 (30 min / 300 °C) Housing Aluminium / Polycarbonate Surface Powder-coated Colour White aluminium (~ RAL 9006) Connection 2.5 m silicone cable Dimension A 1,206 mm Weight 6.7 kg	Service life	20000 double strokes *
OPEN running speed - HS CLOSED running speed 7.1 mm/s Type of protection IP 64 Emission sound pressure level LpA ≤ 70 dB(A) Temperature range -15 °C (-5 °C ****) +75 °C Fire resistance B300 (30 min / 300 °C) Housing Aluminium / Polycarbonate Surface Powder-coated Colour White aluminium (~ RAL 9006) Connection 2.5 m silicone cable Dimension A 1,206 mm Weight 6.7 kg	Stroke	1000 mm
Type of protection IP 64 Emission sound pressure level LpA ≤ 70 dB(A) Temperature range -15 °C (-5 °C ***) +75 °C Fire resistance B300 (30 min / 300 °C) Housing Aluminium / Polycarbonate Surface Powder-coated Colour White aluminium (~ RAL 9006) Connection 2.5 m silicone cable Dimension A 1,206 mm Weight 6.7 kg	OPEN running speed	7.1 mm/s
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Emission sound pressure levelLpA $\leq 70 \text{ dB(A)}$ Temperature range-15 °C (-5 °C ***) +75 °CFire resistanceB300 (30 min / 300 °C)HousingAluminium / PolycarbonateSurfacePowder-coatedColourWhite aluminium ($\sim \text{RAL } 9006$)Connection2.5 m silicone cableDimension A1,206 mmWeight6.7 kg	CLOSED running speed	7.1 mm/s
Temperature range -15 °C (-5 °C ***) +75 °C Fire resistance B300 (30 min / 300 °C) Housing Aluminium / Polycarbonate Surface Powder-coated Colour White aluminium (~ RAL 9006) Connection 2.5 m silicone cable Dimension A 1,206 mm Weight 6.7 kg	Type of protection	IP 64
Fire resistance B300 (30 min / 300 °C) Housing Aluminium / Polycarbonate Surface Powder-coated Colour White aluminium (~ RAL 9006) Connection 2.5 m silicone cable Dimension A 1,206 mm Weight 6.7 kg	Emission sound pressure level	LpA ≤ 70 dB(A)
Housing Aluminium / Polycarbonate Surface Powder-coated Colour White aluminium (~ RAL 9006) Connection 2.5 m silicone cable Dimension A 1,206 mm Weight 6.7 kg	Temperature range	-15 °C (-5 °C ***) +75 °C
Surface Powder-coated Colour White aluminium (~ RAL 9006) Connection 2.5 m silicone cable Dimension A 1,206 mm Weight 6.7 kg	Fire resistance	B300 (30 min / 300 °C)
Colour White aluminium (~ RAL 9006) Connection 2.5 m silicone cable Dimension A 1,206 mm Weight 6.7 kg	Housing	Aluminium / Polycarbonate
Connection2.5 m silicone cableDimension A1,206 mmWeight6.7 kg	Surface	Powder-coated
Dimension A 1,206 mm Weight 6.7 kg	Colour	White aluminium (~ RAL 9006)
Weight 6.7 kg	Connection	2.5 m silicone cable
	Dimension A	1,206 mm
Art. No. 20.027.30	Weight	6.7 kg
	Art. No.	20.027.30

^{*} For vertical use, please consult with D+H Sales!

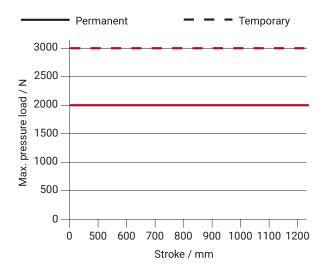
^{**} Depending on the mounting, *** in accordance with VdS 2580 $\,$

Dimensions

All specifications in mm



Pressure load diagram



Possible applications

- Mounted installation
- Frame mounting
- Sash mounting
- Installation opposite the hinge

- Side installation
- Application force
- Application tension



